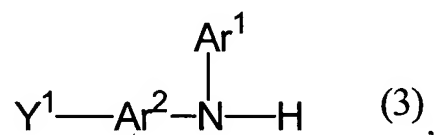


## B. Claims

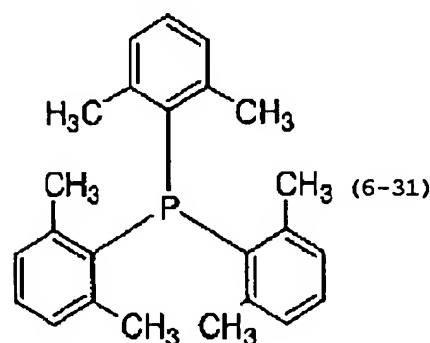
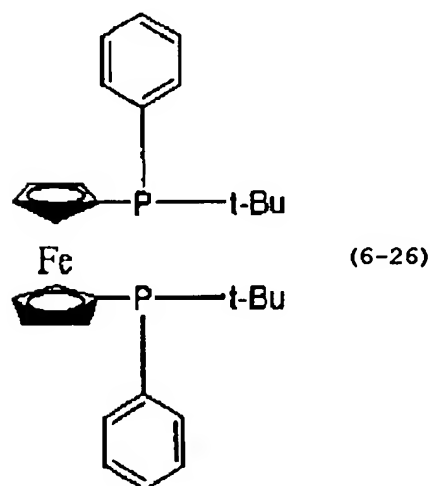
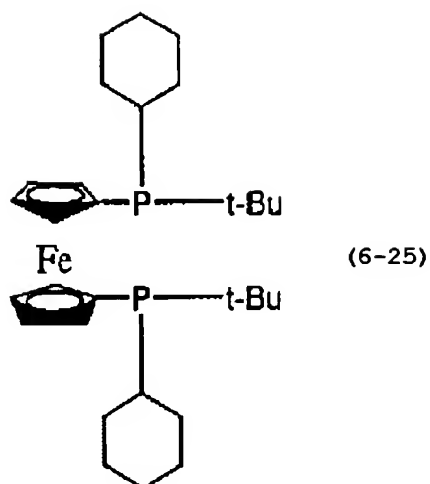
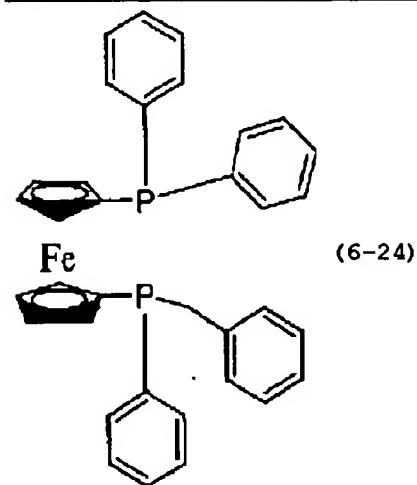
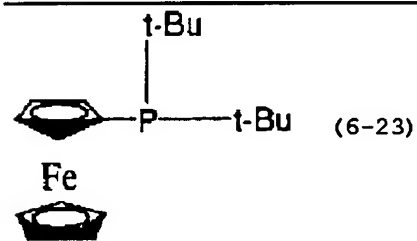
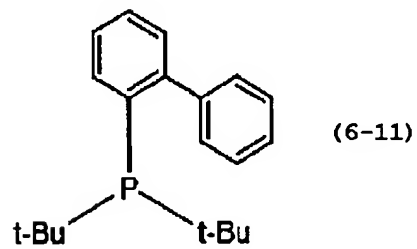
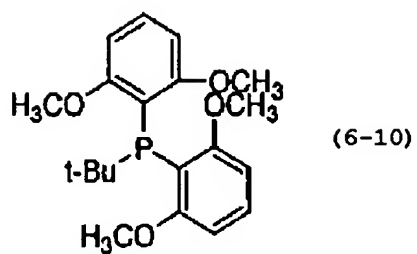
The listing of the claims in the application is provided. This listing replaces all earlier versions and listings.

1. (Currently Amended) A process for producing a halogenated aromatic amine compound, comprising allowing an aromatic amine compound represented by the following Formula (1):  $\text{H}_2\text{N}-\text{Ar}^1$  (1), wherein  $\text{Ar}^1$  represents a substituted or unsubstituted ~~monovalent aromatic hydrocarbon ring group or a substituted or unsubstituted monovalent aromatic heterocyclic ring group;~~ phenyl group, to react with a dihalogenated aromatic compound represented by the following Formula (2):  $\text{Y}^1-\text{Ar}^2-\text{Y}^2$  (2), wherein  $\text{Ar}^2$  represents a substituted or unsubstituted ~~divalent aromatic hydrocarbon ring biphenylene group or a substituted or unsubstituted divalent aromatic heterocyclic ring group~~ fluorenylene group, and  $\text{Y}^1$  and  $\text{Y}^2$  each independently represent an iodine atom, a bromine atom or a chlorine atom[[;]], in the presence of a metallic catalyst and a basic compound in a non-reactive solvent to obtain a halogenated aromatic amine compound represented by the following Formula (3):

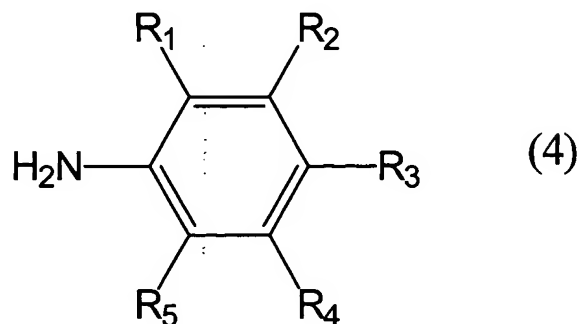


wherein  $\text{Ar}^1$ ,  $\text{Ar}^2$  and  $\text{Y}^1$  are as defined above[[;]].

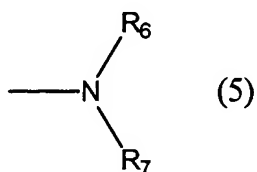
wherein the metallic catalyst ~~being a catalyst having~~ has a phosphorus-containing ligand having at least one cyclic hydrocarbon group, and wherein the phosphorus-containing ligand is represented by formula (6-10), (6-11), (6-23), (6-24), (6-25), (6-26) or (6-31):



2. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said aromatic amine compound represented by Formula (1) is an aromatic amine compound represented by the following Formula (4):



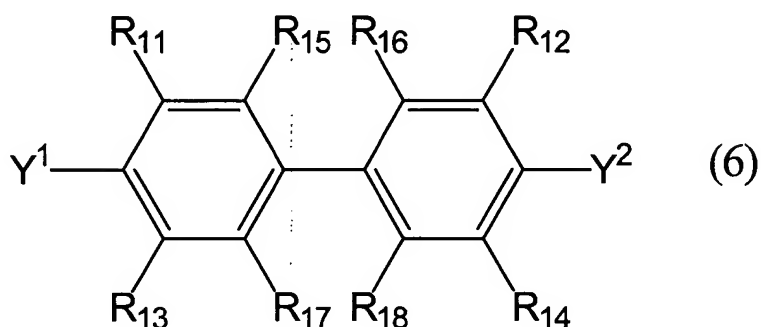
wherein  $R_1$  to  $R_5$  each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted alkoxy group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted aryl ether group, a fluorine atom, an alkyl fluoride group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl thioether group, a substituted or unsubstituted pyridyl group, or a group represented by the following Formula (5):



wherein  $R_6$  and  $R_7$  each independently represent a substituted or unsubstituted alkyl group or a substituted or unsubstituted aryl group.

3. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said dihalogenated aromatic compound

represented by Formula (2) is a dihalogenated aromatic compound represented by the following Formula (6):



wherein  $R_{11}$  to  $R_{18}$  each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted alkoxy group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted aryl ether group, an alkyl fluoride group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl thioether group or a substituted or unsubstituted pyridyl group;  $R_{15}$  and  $R_{16}$ , and  $R_{17}$  and  $R_{18}$ , may respectively independently combine through a carbon atom, a substituted or unsubstituted alkylene group, a substituted or unsubstituted alkylidene group, an oxygen atom, a nitrogen atom or a sulfur atom to form a condensed polycyclic structure or a heterocyclic structure; and  $Y^1$  and  $Y^2$  each independently represent an iodine atom, a bromine atom or a chlorine atom.

4. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said metallic catalyst is either of a palladium complex and a nickel complex which have at least one cyclic hydrocarbon group on a substituent on the phosphorus.

5. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said cyclic hydrocarbon group is a substituted or unsubstituted phenyl group, a substituted or unsubstituted biphenyl group, a substituted or unsubstituted naphthyl group or a substituted or unsubstituted cyclopentadienyl group.

6. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said metallic catalyst is a complex produced from a palladium complex or a nickel complex and a phosphorus-containing ligand having at least one cyclic hydrocarbon group, inside the reaction system during said reaction.

7. (Original) The process for producing a halogenated aromatic amine compound according to claim 6, wherein said palladium complex or nickel complex is selected from the group consisting of  $\text{Pd}(\text{OAc})_2$ ,  $\text{Pd}(\text{Aca})_2$ ,  $(\text{CH}_3\text{CN})_2\text{Pd}(\text{NO}_2)\text{Cl}$ ,  $(\text{C}_{10}\text{H}_8\text{N}_2)_2\text{PdCl}_2$ ,  $\text{Pd}_2(\text{dba})_3$ ,  $\text{PdCl}_2$ ,  $\text{Ni}(\text{OAc})_2$ ,  $\text{Ni}(\text{Aca})_2$ ,  $(\text{CH}_3\text{CN})_2\text{Ni}(\text{NO}_2)\text{Cl}$ ,  $(\text{C}_{10}\text{H}_8\text{N}_2)_2\text{NiCl}_2$ ,  $\text{Ni}_2(\text{dba})_3$  and  $\text{NiCl}_2$ .

8. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said basic compound is selected from the group consisting of an alkali metal alkoxide, an alkaline earth metal alkoxide, potassium carbonate and potassium tertiary phosphate.

9. (Original) The process for producing a halogenated aromatic amine compound according to claim 1, wherein said Y<sup>1</sup> and Y<sup>2</sup> in Formulas (2) and (3) are each a bromine atom.

10. (Currently Amended) The process for producing a halogenated aromatic amine compound according to claim 1, wherein the reaction is ~~carrie~~ carried out at a temperature of from 50°C to 150°C.